

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/000722

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B41F27/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B41F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 197 53 744 A1 (POLYWEST KUNSTSTOFFTECHNIK SAUERESSIG & PARTNER GMBH & CO. KG, 48683 A) 10 June 1999 (1999-06-10) column 7, lines 1-25 column 8, lines 15-29, 43-53 figure 3	1, 2, 4, 5, 7-10
X	US 2002/002920 A1 (DILLING PEER ET AL) 10 January 2002 (2002-01-10) page 2, paragraph 41-44 page 3, paragraph 47 figure 1	1, 2, 4-6, 10
X	US 2003/205156 A1 (BELANGER JAMES RICHARD ET AL) 6 November 2003 (2003-11-06) page 2, paragraph 18-20 figure 2	1, 2
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

15 June 2005

Date of mailing of the international search report

23/06/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 327 467 A (QUAINT ET AL) 4 May 1982 (1982-05-04) figure 3 column 3, lines 1-15 -----	1
A	US 4 378 622 A (PINKSTON ET AL) 5 April 1983 (1983-04-05) page 2, lines 42-55 figure 2 -----	1,2,4

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2005/000722

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 19753744	A1	10-06-1999	WO 9929509 A1	17-06-1999
US 2002002920	A1	10-01-2002	DE 10024001 A1	22-11-2001
			CA 2347972 A1	17-11-2001
			GB 2362353 A ,B	21-11-2001
			JP 3457292 B2	14-10-2003
			JP 2001322240 A	20-11-2001
			US 2004261641 A1	30-12-2004
US 2003205156	A1	06-11-2003	DE 10238119 A1	03-04-2003
			JP 2003103750 A	09-04-2003
US 4327467	A	04-05-1982	NONE	
US 4378622	A	05-04-1983	NONE	